



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,697	12/02/2003	Yung-Hsiang Hsu		1991
7590	07/13/2005			
Yung-Hsiang Hsu P.O. Box No. 6-57 Junghe Taipei, 235 TAIWAN			EXAMINER RAABE, CHRISTOPHER M	
			ART UNIT 2879	PAPER NUMBER

DATE MAILED: 07/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	10/724,697		HSU, YUNG-HSIANG	
	Examiner		Art Unit	
	Christopher M. Raabe		2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1,2,5 are rejected under 35 U.S.C. 102(e) as being anticipated by Guerrieri et al. (US Pre-grant Publication 2004/0095763).

With regard to claim 1,

Guerrieri et al. disclose a light bulb comprising a structure comprising a light reflecting plate (24 of fig 5) and a light-emitting repository configured on a circuit board (36 of fig 5), and upon the circuit board being disposed in a base of the light bulb, connecting pins are employed to connect the circuit board to the base (24 of fig 5); after electricity is supplied to entire light-emitting device, rays of light directly emitting from the light-emitting repository are rectified by means of an elevation of the light reflecting plate, furthermore, an inclined surface of the light reflecting plate is employed to control the rays of light emitted at an angle greater than direct emittance angle, thereby achieving uniform distribution of the rays of light, and thus enhancing brightness and degree of uniformity thereof (54 of fig 5).

With regard to claim 2,

Art Unit: 2879

Guerrieri et al. disclose the light bulb, wherein the light-emitting repository comprises and is constructed to include a light-emitting diode, an incandescent diode, a small-scale light bulb, and (interpreted to indicate the alternative, otherwise the claim is indefinite) other related light source elements applied in illumination components (paragraph 23).

With regard to claim 5,

Guerrieri et al. disclose the light bulb, wherein the light reflecting plate is further configured with light reflecting plates adapted as an elevation and an inclined surface defined at differing angles, thereby facilitating changing area and brightness of the bulb upon which the rays of light are projected onto (paragraphs 23,24).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3,4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guerrieri et al. (as above).

With regard to claim 3,

Guerrieri et al. disclose the light bulb,

Guerrieri et al. do not disclose the light bulb being installed in an autocar lamp, lighting employed indoors or outdoors, a street lighting, a desk lamp, and (as in the rejection of claim 2,

Art Unit: 2879

interpreted to indicate the alternative) other related illumination sources applied in lighting equipment.

However, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the light-emitting device of Guerrieri et al. into an au autocar lamp, lighting employed indoors or outdoors, a street lighting, a desk lamp, and other related illumination sources applied in lighting equipment; as these are (and were at the time of the invention) well known and widely used applications for light bulbs.

With regard to claim 4,

Guerrieri et al. disclose the light bulb.

Guerrieri et al. do not disclose the bulb including a transparent covering, a fluorescent-coated material covering, a ground material covering and (as above, interpreted to indicate the alternative) other related coverings applied in exterior coverings of light bulbs.

However, it would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate a transparent covering, a fluorescent-coated material covering, a ground material covering and other related coverings applied in exterior coverings of light bulbs into the light bulb of Guerrieri et al., as these are (and were at the time of the invention) well known and widely used coverings for light bulbs.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Pre-grant Publication 2002/0097586, US Patent 6573653.

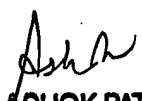
Art Unit: 2879

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Raabe whose telephone number is 571-272-8434. The examiner can normally be reached on m-f 7am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CR


ASHOK PATEL
PRIMARY EXAMINER